COMPRESSOR FLUIDS

WHAT TYPE OF GAS IS BEING COMPRESSED?

AIR

- Food Grade Required
  - *YES* – See page 36
  - PURITY FG Compressor Fluids
- Non Food Grade Required
  - Type of Compressor Design:
    - Rotary Screw
      - MAXIMUM AIR DISCHARGE TEMPERATURE
      - 85°C/185°F
        - RECOMMENDED SERVICE HOURS
        - 2,000 HR → COMPRO
        - 8,000 HR → COMPRO XL-S
      - 105°C/221°F
        - 8,000 HR → COMPRO Synthetic
      - 150°C/302°F
        - 500 HR → COMPRO
        - 2,000 HR → COMPRO XL-S
    - Reciprocating
      - 85°C/185˚F
        - 500 HR → COMPRO XL-R
        - 1,000 HR → COMPRO
    - Vane
      - 50°C/122°F
        - 16,000 HR → COMPRO
        - 24,000 HR → COMPRO XL-S
    - Centrifugal/ Lobe

COMPRO

- COMPRO provides stronger resistance to oxidation breakdown than leading mineral oil based fluids.
- Helps reduce sludge and varnish for trouble-free operation and lower maintenance costs due to fewer fluid change-outs.
- Available in grades 32, 68, 100 and 150.

COMPRO XL-S

- COMPRO XL-S resists oxidative breakdown better than some leading synthetic PAO based fluids.
- Provides up to 8,000 hours of continuous service in rotary screw compressors.
- May help to reduce operating costs.
- Available in grades 32, 46, 68, 100 and 150.

COMPRO XL-R

- COMPRO XL-R is specifically designed for lubrication and cooling of both single and multi-stage reciprocating air compressors.
- Particularly effective in systems operating at high discharge temperatures and at pressures as high as 6000 psi (413 bar).
- Meets the industry standard (DIN 51506 VDL) for reciprocating compressor fluid.
- Available in 68/100.

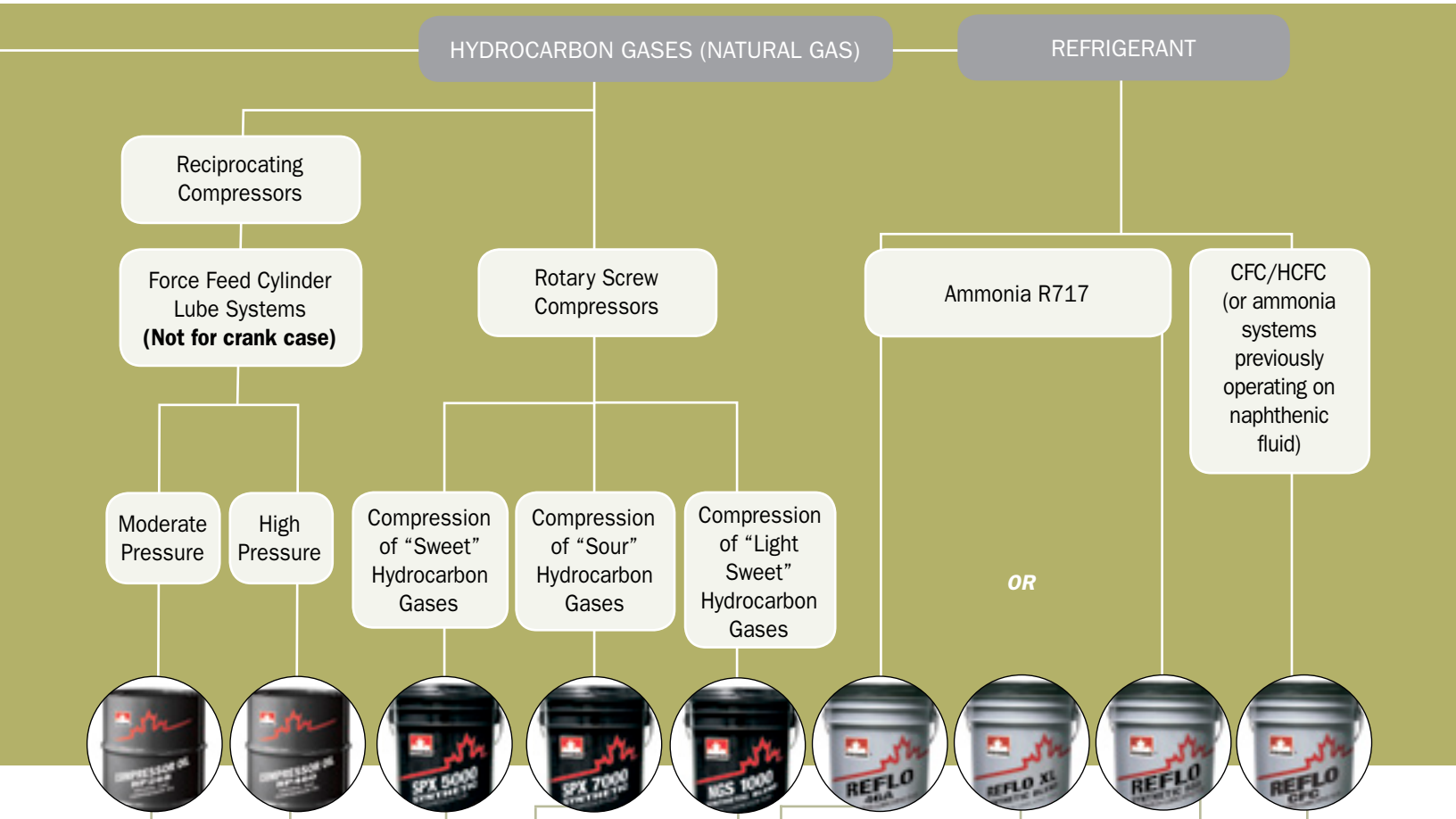
COMPRO Synthetic

- COMPRO Synthetic is specifically designed for compressors operating at very high or lower temperatures or in severe service applications.
- Formulated from a custom blend of polyalkylene glycol (PAG) and ester fluids, combined with an effective inhibitor package.
- Available in 32/46.

NOTE: This is a Polyalkylene Glycol / ester blend and should never be mixed with conventional mineral oils or Poly Alpha Olefin synthetics.

PERFORMANCE BENEFITS

- COMPRO™ Air Compressor Fluids provide long and highly reliable service life.
- COMPRESSOR OILS RP 268 and RP 460 provide excellent high-pressure stability, good lubricity and wear protection.
- REFLO™ refrigeration compressor oils ensure optimum performance in commercial refrigeration compressor systems.
- SPX 5000, 7000 and 7068 Hydrocarbon Compressor Oils provide excellent lubricating and cooling for reciprocating and rotary screw compressors.
- NGS 1000 Synthetic Compressor Fluid is a unique formulation specially designed for flooded screw compressors.



COMPRESSOR OIL RP 268

- Recommended for use in compressing sour, wet or contaminated gas.
- Provides excellent high-temperature stability.
- Very good lubricity and wear protection.
- Minimizes deposit formation.

SPX 5000

- Recommended for compression of light hydrocarbon gases, propane and sweet natural gas.
- A polyglycol synthetic lubricant resulting in a much lower gas solubility than standard mineral oils, which reduces viscosity dilution and greatly improves the separation of lubricant from the process gas.

NGS 1000

- Excellent in flooded screw compressors handling methane and ethane, where natural gas liquids are not significantly present.
- A blended combination of hydrotreated (HT) and polyalphaolefin (PAO) base fluids, fortified with corrosion inhibitors, lubricity improvers and antifoam additives.

REFLO XL Synthetic Blend

- Delivers reliable, long-term performance in ammonia refrigeration systems.
- Strong thermal and oxidation stability delivers reduced fluid breakdown, leading to longer fluid life for fewer change-outs and reduced costly downtime
- Delivers very strong low temperature fluidity and can be used in ammonia refrigeration systems where evaporator temperatures are greater than -45˚C / -49˚F
- Specially formulated with seal swell agent for reduced seal shrinkage
- Improved anti-wear capabilities for longer equipment life

REFLO CFC

- A highly refined naphthenic oil formulated for use in systems using chlorinated fluorocarbon (CFC) refrigerants such as Freon, Genetron, and Isotron.

COMPRESSOR OIL RP 460

- Recommended for use in compressing sour, wet or contaminated gas.
- Suited for use in higher-pressure applications.
- Provides excellent high-temperature stability.
- Very good lubricity and wear protection.
- Minimizes deposit formation.

SPX 7000 and 7068

- Recommended for compression of select hydrocarbon mixtures, sour natural gas and acid gas, use in gas re-injection service and industrial gears and bearings operating under high load and extremes temperatures.
- Polyglycol synthetic lubricants resulting in a much lower gas solubility than standard mineral oils, which reduces viscosity dilution and greatly improves the separation of lubricant from the process gas.

REFLO 46A & REFLO 68A

- Provides exceptional service in ammonia refrigerant systems.
- With proper change-out procedures, may result in reduced oil carry over and lower fluid consumption.
- Available in 2 Viscosity Grades, suitable for 46 and 68 Viscosity Grade applications.

REFLO Synthetic 68A

- Full synthetic PAO, specially formulated with seal swell agent.
- Excellent performance at extreme low temperatures such as in blast freezers that have very low evaporator temperatures.
- Stability is improved over some competitive synthetic oils.
- Product is compatible with common elastomers, paints and plastics.